Grade G PROMPT sheet

G/1 <u>Place value</u>

The position of the digit gives its size

thousands	hundreds	tens	units	•	tenths	hundredths
4	3	5	2	•	6	1

<u>Example</u>

The value of the digit '4' is 4000 The value of the digit '3' is 300



G/3 Multiples • Multiples are the number sequences that make up the tables Example The multiples of 2 are: 2 4 6 8 10 ... The multiples of 5 are: 10 15 5 20 25 ... The multiples of 10 are: 10 20 30 40 50 •••



G/5 <u>Decimals</u>

• Decimals and money

£3.00 means 300p £3.50 means 350p £3.05 means 305p

Remember

A calculator does not know if the numbers you put in are money so £3.50 will look like 3.5

→ Largest

1.65 m

• Ordering Decimals

1.23 m	1.6 m	1.65 m	1.3 m
↓	↓	↓	↓
1.23 m	1.60 m	1.65 m	1.30 m
Make the	e number of	[:] digits the order them	same, it is easier to

Smallest _____ 1.23 m 1.30 m 1.60 m

G/6 Know the 3, 4 and 6 times tables

1	х	3	=	3			1	x	4	=	4
2	х	3	=	6			2	х	4	=	8
3	х	3	=	9			3	х	4	=	12
4	х	3	=	12			4	х	4	=	16
5	х	3	=	15			5	х	4	=	20
6	х	3	=	18			6	х	4	=	24
7	х	3	=	21			7	х	4	=	28
8	х	3	=	24			8	х	4	=	32
9	х	3	=	27			9	х	4	=	36
10	х	3	=	30			10	х	4	=	40
			_						_		
				1	х	6	=	6			
				2	х	6	=	12			
				3	х	6	=	18			
				4	х	6	=	24			
				5	х	6	=	30			
				6	х	6	=	36			
				7	х	6	=	42			
				8	х	6	=	48			
				9	х	6	=	54			
				10	х	6	=	60			

G/7 Division facts from a multiplication

Any multiplication sum can be written as 2 division sums



G/8 Balancing a sum

left hand side is equal to right hand side

 $3 \times 4 = 12$

This can be used to find missing numbers





G/11 Solve problems

- When to multiply and when to divide
- When to round up and when to round down •

Here is an example



There are 17 children in the playground. Each bench in the yard can seat 3 children. How many benches will be needed?

$17 \div 3 = 5 r 2$

- We need to divide to share the children around the benches
- We need to round up to 6 benches for the remaining 2

Here is another example

Dan made 47 cakes. He sells them in boxes of 6. How many full boxes will we have?



$46 \div 6 = 7 r 4$

- He needs to divide to share the cakes into boxes
- He needs to round down to 7 boxes because he needs to have 6 cakes in each box



G/13 <u>Meth</u>	ods fo	or multi	plying	
		38 x 3	3	
<u>Column metho</u>	bd			
			38	
		-	₂ 3	x
		-	114	
Grid method				
		3	30 8	3
		3 9	0 24	_
		·	·	
	90) + 24 =	<u>114</u>	
Partitioning n	nethod			
			38 >	< 3
			= 30 ×	(3 + 8 × 3
			= 90	+ 24
			= 114	
Ta multinlu h	10			
Move all the a	diaits al	ona one n	lace to th	e left.
Remember to	put a ze	ero in the	units.	
		-		1
	Н	Т	U	
		3	0	

30	x	10	=	300
	•••			

0

G/13 Methods for dividing

3





0

To divide by 10

Move all the digits along one place to the right.

Н	Т	U
	3	0
		3

 $30 \div 10 = 3$











G/19 Other units of measure

<u>PERIMETER</u> is the distance round the outside of a shape

Perimeter of this shape = 12cm



<u>AREA</u> is the number of squares **INSIDE** Area of this shape = 5 cm^2

	1		
	-		



G/20 Gather information

To record the number of birds in the garden

Type of bird	Tally	Number of birds
Blackbird		10
Blue-tit		4
Starling		2
Sparrow		3
Other		1



G/21 Construct pictogram

This question is about the number of bags of sugar you could buy with £10

	Key: Sugar = 4 bags
Year	Number of bags
1995	Sugar Sugar
1999	Sugar Sugar

Do not forget the KEY

